

West Virginia Department of Environmental Protection

Division of Air Quality

*Earl Ray Tomblin
Governor*

*Randy C. Huffman
Cabinet Secretary*

Permit to Modify



R13-2313B-D-R-A-F-T

This permit is issued in accordance with the West Virginia Air Pollution Control Act (West Virginia Code §§ 22-5-1 et seq.) and 45 C.S.R. 13 — Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation. The permittee identified at the facility listed below is authorized to construct the stationary sources of air pollutants identified herein in accordance with all terms and conditions of this permit.

Issued to:

**Greer Industries, Inc.
dba Clarksburg Asphalt Company
Bridgeport Facility
033-00138**

*William F. Durham
Deputy Director*

*Issued: **D-R-A-F-T** • Effective: **D-R-A-F-T***

This permit will supercede and replace Permit R13-2313-P1A.

Facility Location: Bridgeport, Harrison County, West Virginia
Mailing Address: 8477 Veterans' Memorial Highway, Masontown, West Virginia 26542
Facility Description: Hot mix asphalt plant.
SIC Codes: 2951
UTM Coordinates: 567.23 km Easting • 4352.30 km Northing • Zone 17
Permit Type: Modification
Description of Change: Applicant proposes to modify Permit R13-2313P1A to include the existing stone yard operations co-located with the existing asphalt plant. The asphalt plant includes replacement equipment and trucking types not included in previous permitting actions. The aggregate throughput for the facility is being increased from 400,000 tons per year (TPY) to 1,000,000 TPY to reflect the stone yard operations, of which, up to the existing 400,000 TPY may be used by the asphalt plant.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

This permit does not affect 45CSR30 applicability. The source is a 45CSR30 deferred source.

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1.0. Emission Units

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	A M R ¹	Design Capacity	Control Device
OS1	OS1	Aggregate/Limestone/Coal Stockpile	2014	M	150,000 tons 1,000,000 TPY	N
B1	B1	Aggregate Bin	1999	M	35 tons ³	PE
B2	B2	Aggregate Bin	1999	M	35 tons ³	PE
B3	B3	Aggregate Bin	1999	M	35 tons ³	PE
B4	B4	Aggregate Bin	1999	M	35 tons ³	PE
B5	B5	Aggregate Bin	1999	M	35 tons ³	PE
BC1	BC1	Belt Conveyor	1999	M	400 TPH	N
SC1	SC1	Screen	1999	M	400 TPH	PE
BC2	BC2	Belt Conveyor	1999	M	400 TPH	N
BC3	BC3	Belt Conveyor	1999	M	400 TPH	N
B6	B6	Coal Hopper	2010	R	10 tons 3,800 TPY	PE
BC4	BC4	Belt Conveyor	2010	R	4 TPH	N
AP1	AP1	Genetec/Stansteel continuous hot-mix asphalt CFDM w/PhoenixCoal PC-100 Dryer / Burner (fueled by #2 fuel oil/coal or natural gas/coal)	1999	M	400 TPH 400,000 TPY	BH1
SLC1	SLC1	Slat Conveyor	2011	R	400 TPH	FE
TC1	TC1	Transfer Conveyor	2011	R	400 TPH	FE
TC2	TC2	Transfer Conveyor	2011	R	400 TPH	FE
S1	S1	Baghouse Dust Silo	2011	R	200 tons 5,594 TPY	
S2	S2	HMA Silo	2011	R	240 tons ²	FE
S3	S3	HMA Silo	2011	R	240 tons ²	FE
S4	S4	HMA Silo	2011	M	240 tons ²	FE
FO1	E-006	No. 2 Fuel Oil Storage Tank	2003	M	15,000 gal	N
LA1	E-005	Asphalt Cement Storage Tank	2003	M	20,000 gal	N
LA2	E-003	Asphalt Cement Storage Tank	2000	renamed: was LA1	30,000 gal	N
LA3	E-004	Asphalt Cement Storage Tank	2003	M	20,000 gal	N
BH1	E-001	Dust Collector	1999	M	NA	NA
H1	E-002	Hot Oil Heater	2003	M	2.2 mmbtu/hr	NA

¹ A - Addition; M - Modification; R - Replaced (Existing unmodified equipment to be included in the permit is labeled with an M.)

² 400,000 tons per year is the COMBINED annual throughput for storage silos S2, S3, and S4.

³ 400,000 tons per year is the COMBINED annual throughput for all five (5) cold feed bins.

2.0. General Conditions

2.1. Definitions

- 2.1.1. All references to the "West Virginia Air Pollution Control Act" or the "Air Pollution Control Act" mean those provisions contained in W.Va. Code §§ 22-5-1 to 22-5-18.
- 2.1.2. The "Clean Air Act" means those provisions contained in 42 U.S.C. §§ 7401 to 7671q, and regulations promulgated thereunder.
- 2.1.3. "Secretary" means the Secretary of the Department of Environmental Protection or such other person to whom the Secretary has delegated authority or duties pursuant to W.Va. Code §§ 22-1-6 or 22-1-8 (45 CSR § 30-2.12.). The Director of the Division of Air Quality is the Secretary's designated representative for the purposes of this permit.

2.2. Acronyms

CAAA	Clean Air Act Amendments	NO_x	Nitrogen Oxides
CBI	Confidential Business Information	NSPS	New Source Performance Standards
CEM	Continuous Emission Monitor	PM	Particulate Matter
CES	Certified Emission Statement	PM_{2.5}	Particulate Matter less than 2.5µm in diameter
C.F.R. or CFR	Code of Federal Regulations		
CO	Carbon Monoxide	PM₁₀	Particulate Matter less than 10µm in diameter
C.S.R. or CSR	Codes of State Rules		
DAQ	Division of Air Quality	Ppb	Pounds per Batch
DEP	Department of Environmental Protection	pph	Pounds per Hour
		ppm	Parts per Million
dscm	Dry Standard Cubic Meter	Ppmv or ppmv	Parts per million by volume
FOIA	Freedom of Information Act	PSD	Prevention of Significant Deterioration
HAP	Hazardous Air Pollutant		
HON	Hazardous Organic NESHAP		
HP	Horsepower	psi	Pounds per Square Inch
lbs/hr	Pounds per Hour	SIC	Standard Industrial Classification
LDAR	Leak Detection and Repair		
M	Thousand	SIP	State Implementation Plan
MACT	Maximum Achievable Control Technology	SO₂	Sulfur Dioxide
		TAP	Toxic Air Pollutant
MDHI	Maximum Design Heat Input	TPY	Tons per Year
MM	Million	TRS	Total Reduced Sulfur
MMBtu/hr or mmbtu/hr	Million British Thermal Units per Hour	TSP	Total Suspended Particulate
MMCF/hr or mmcf/hr	Million Cubic Feet per Hour	USEPA	United States Environmental Protection Agency
		UTM	Universal Transverse Mercator
NA	Not Applicable		
NAAQS	National Ambient Air Quality Standards	VEE	Visual Emissions Evaluation
		VOC	Volatile Organic Compounds
NESHAPS	National Emissions Standards for Hazardous Air Pollutants	VOL	Volatile Organic Liquids

2.3. Authority

This permit is issued in accordance with West Virginia Air Pollution Control Law W.Va. Code §§22-5-1 et seq. and the following Legislative Rules promulgated thereunder:

- 2.3.1. 45CSR13 – *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Temporary Permits, General Permits and Procedures for Evaluation;*

2.4. Term and Renewal

- 2.4.1. This permit supercedes and replaces previously issued Permit R13-2313-P1A. This permit shall remain valid, continuous and in effect unless it is revised, suspended, revoked or otherwise changed under an applicable provision of 45CSR13 or any applicable legislative rule.

2.5. Duty to Comply

- 2.5.1. The permitted facility shall be constructed and operated in accordance with the plans and specifications filed in Permit Application R13-2313-P, R13-2313-P1, R13-2313-P1A, R13-2313B and any modifications, administrative updates, or amendments thereto. The Secretary may suspend or revoke a permit if the plans and specifications upon which the approval was based are not adhered to;
[45CSR§§13-5.11 and 13-10.3]
- 2.5.2. The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the West Virginia Code and the Clean Air Act and is grounds for enforcement action by the Secretary or USEPA;
- 2.5.3. Violations of any of the conditions contained in this permit, or incorporated herein by reference, may subject the permittee to civil and/or criminal penalties for each violation and further action or remedies as provided by West Virginia Code 22-5-6 and 22-5-7;
- 2.5.4. Approval of this permit does not relieve the permittee herein of the responsibility to apply for and obtain all other permits, licenses and/or approvals from other agencies; i.e., local, state and federal, which may have jurisdiction over the construction and/or operation of the source(s) and/or facility herein permitted.

2.6. Duty to Provide Information

The permittee shall furnish to the Secretary within a reasonable time any information the Secretary may request in writing to determine whether cause exists for administratively updating, modifying, revoking or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Secretary copies of records to be kept by the permittee. For information claimed to be confidential, the permittee shall furnish such records to the Secretary along with a claim of confidentiality in accordance with 45CSR31. If confidential information is to be sent to USEPA, the permittee shall directly provide such information to USEPA along with a claim of confidentiality in accordance with 40 C.F.R. Part 2.

2.7. Duty to Supplement and Correct Information

Upon becoming aware of a failure to submit any relevant facts or a submittal of incorrect information in any permit application, the permittee shall promptly submit to the Secretary such supplemental facts or corrected information.

2.8. Administrative Update

The permittee may request an administrative update to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-4]

2.9. Permit Modification

The permittee may request a minor modification to this permit as defined in and according to the procedures specified in 45CSR13.

[45CSR§13-5.4.]

2.10. Major Permit Modification

The permittee may request a major modification as defined in and according to the procedures specified in 45CSR14 or 45CSR19, as appropriate.

[45CSR§13-5.1]

2.11. Inspection and Entry

The permittee shall allow any authorized representative of the Secretary, upon the presentation of credentials and other documents as may be required by law, to perform the following:

- a. At all reasonable times (including all times in which the facility is in operation) enter upon the permittee's premises where a source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times (including all times in which the facility is in operation) any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
- d. Sample or monitor at reasonable times substances or parameters to determine compliance with the permit or applicable requirements or ascertain the amounts and types of air pollutants discharged.

2.12. Emergency

- 2.12.1. An "emergency" means any situation arising from sudden and reasonable unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency.

An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

- 2.12.2. Effect of any emergency. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the conditions of Section 2.12.3 are not met.
- 2.12.3. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and,
 - d. The permittee submitted notice of the emergency to the Secretary within one (1) working day of the time when emission limitations were exceeded due to the emergency and made a request for variance, and as applicable rules provide. This notice must contain a detailed description of the emergency, any steps taken to mitigate emission, and corrective actions taken.
- 2.12.4. In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof.
- 2.12.5. The provisions of this section are in addition to any emergency or upset provision contained in any applicable requirement.

2.13. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it should have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. However, nothing in this paragraph shall be construed as precluding consideration of a need to halt or reduce activity as a mitigating factor in determining penalties for noncompliance if the health, safety, or environmental impacts of halting or reducing operations would be more serious than the impacts of continued operations.

2.14. Suspension of Activities

In the event the permittee should deem it necessary to suspend, for a period in excess of sixty (60) consecutive calendar days, the operations authorized by this permit, the permittee shall notify the Secretary, in writing, within two (2) calendar weeks of the passing of the sixtieth (60) day of the suspension period.

2.15. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege.

2.16. Severability

The provisions of this permit are severable and should any provision(s) be declared by a court of competent jurisdiction to be invalid or unenforceable, all other provisions shall remain in full force and effect.

2.17. Transferability

This permit is transferable in accordance with the requirements outlined in Section 10.1 of 45CSR13.
[45CSR§13-10.1]

2.18. Notification Requirements

The permittee shall notify the Secretary, in writing, no later than thirty (30) calendar days after the actual startup of the operations authorized under this permit.

2.19. Credible Evidence

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defense otherwise available to the permittee including, but not limited to, any challenge to the credible evidence rule in the context of any future proceeding.

3.0. Facility-Wide Requirements

3.1. Limitations and Standards

- 3.1.1. **Open burning.** The open burning of refuse by any person, firm, corporation, association or public agency is prohibited except as noted in 45CSR§6-3.1.
[45CSR§6-3.1.]
- 3.1.2. **Open burning exemptions.** The exemptions listed in 45CSR§6-3.1 are subject to the following stipulation: Upon notification by the Secretary, no person shall cause, suffer, allow or permit any form of open burning during existing or predicted periods of atmospheric stagnation. Notification shall be made by such means as the Secretary may deem necessary and feasible.
[45CSR§6-3.2.]
- 3.1.3. **Asbestos.** The permittee is responsible for thoroughly inspecting the facility, or part of the facility, prior to commencement of demolition or renovation for the presence of asbestos and complying with 40 C.F.R. § 61.145, 40 C.F.R. § 61.148, and 40 C.F.R. § 61.150. The permittee, owner, or operator must notify the Secretary at least ten (10) working days prior to the commencement of any asbestos removal on the forms prescribed by the Secretary if the permittee is subject to the notification requirements of 40 C.F.R. § 61.145(b)(3)(i). The USEPA, the Division of Waste Management and the Bureau for Public Health - Environmental Health require a copy of this notice to be sent to them.
[40CFR§61.145(b) and 45CSR§15]
- 3.1.4. **Odor.** No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor at any location occupied by the public.
[45CSR§4-3.1 State-Enforceable only.]
- 3.1.5. **Permanent shutdown.** A source which has not operated at least 500 hours in one 12-month period within the previous five (5) year time period may be considered permanently shutdown, unless such source can provide to the Secretary, with reasonable specificity, information to the contrary. All permits may be modified or revoked and/or reapplication or application for new permits may be required for any source determined to be permanently shutdown.
[45CSR§13-10.5.]
- 3.1.6. **Standby plan for reducing emissions.** When requested by the Secretary, the permittee shall prepare standby plans for reducing the emissions of air pollutants in accordance with the objectives set forth in Tables I, II, and III of 45 C.S.R. 11.
[45CSR§11-5.2.]

3.2. Monitoring Requirements

[Reserved]

3.3. Testing Requirements

- 3.3.1. **Stack testing.** As per provisions set forth in this permit or as otherwise required by the Secretary, in accordance with the West Virginia Code, underlying regulations, permits and orders, the permittee shall conduct test(s) to determine compliance with the emission limitations set forth in this permit and/or established or set forth in underlying documents. The Secretary, or his duly

authorized representative, may at his option witness or conduct such test(s). Should the Secretary exercise his option to conduct such test(s), the operator shall provide all necessary sampling connections and sampling ports to be located in such manner as the Secretary may require, power for test equipment and the required safety equipment, such as scaffolding, railings and ladders, to comply with generally accepted good safety practices. Such tests shall be conducted in accordance with the methods and procedures set forth in this permit or as otherwise approved or specified by the Secretary in accordance with the following:

- a. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with 40 C.F.R. Parts 60, 61, and 63 in accordance with the Secretary's delegated authority and any established equivalency determination methods which are applicable. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
 - b. The Secretary may on a source-specific basis approve or specify additional testing or alternative testing to the test methods specified in the permit for demonstrating compliance with applicable requirements which do not involve federal delegation. In specifying or approving such alternative testing to the test methods, the Secretary, to the extent possible, shall utilize the same equivalency criteria as would be used in approving such changes under Section 3.3.1.a. of this permit. If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit may be revised in accordance with 45CSR§13-4 or 45CSR§13-5.4 as applicable.
 - c. All periodic tests to determine mass emission limits from or air pollutant concentrations in discharge stacks and such other tests as specified in this permit shall be conducted in accordance with an approved test protocol. Unless previously approved, such protocols shall be submitted to the Secretary in writing at least thirty (30) days prior to any testing and shall contain the information set forth by the Secretary. In addition, the permittee shall notify the Secretary at least fifteen (15) days prior to any testing so the Secretary may have the opportunity to observe such tests. This notification shall include the actual date and time during which the test will be conducted and, if appropriate, verification that the tests will fully conform to a referenced protocol previously approved by the Secretary.
- [WV Code § 22-5-4(a)(15)]

3.4. Recordkeeping Requirements

- 3.4.1. **Retention of records.** The permittee shall maintain records of all information (including monitoring data, support information, reports and notifications) required by this permit recorded in a form suitable and readily available for expeditious inspection and review. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation. The files shall be maintained for at least five (5) years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two (2) years of data shall be maintained on site. The remaining three (3) years of data may be maintained off site, but must remain accessible within a reasonable time. Where appropriate, the permittee may maintain records electronically (on a computer, on computer floppy disks, CDs, DVDs, or magnetic tape disks), on microfilm, or on microfiche.
- 3.4.2. **Odors.** For the purposes of 45CSR4, the permittee shall maintain a record of all odor complaints

received, any investigation performed in response to such a complaint, and any responsive action(s) taken.

[45CSR§4. State-Enforceable only.]

3.5. Reporting Requirements

- 3.5.1. **Responsible official.** Any application form, report, or compliance certification required by this permit to be submitted to the DAQ and/or USEPA shall contain a certification by the responsible official that states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.
- 3.5.2. **Confidential information.** A permittee may request confidential treatment for the submission of reporting required by this permit pursuant to the limitations and procedures of W.Va. Code § 22-5-10 and 45CSR31.
- 3.5.3. **Correspondence.** All notices, requests, demands, submissions and other communications required or permitted to be made to the Secretary of DEP and/or USEPA shall be made in writing and shall be deemed to have been duly given when delivered by hand, or mailed first class with postage prepaid to the address(es) set forth below or to such other person or address as the Secretary of the Department of Environmental Protection may designate:

If to the DAQ:

Director
WVDEP
Division of Air Quality
601 57th Street, SE
Charleston, WV 25304-2345

If to the USEPA:

Associate Director
Office of Air Enforcement and Compliance
Assistance
(3AP20)
U.S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

3.5.4. **Operating Fee.**

- 3.5.4.1 In accordance with 45CSR30 – Operating Permit Program, the permittee shall submit a Certified Emissions Statement (CES) and pay fees on an annual basis in accordance with the submittal requirements of the Division of Air Quality. A receipt for the appropriate fee shall be maintained on the premises for which the receipt has been issued, and shall be made immediately available for inspection by the Secretary or his/her duly authorized representative.
- 3.5.5. **Emission inventory.** At such time(s) as the Secretary may designate, the permittee herein shall prepare and submit an emission inventory for the previous year, addressing the emissions from the facility and/or process(es) authorized herein, in accordance with the emission inventory submittal requirements of the Division of Air Quality. After the initial submittal, the Secretary may, based upon the type and quantity of the pollutants emitted, establish a frequency other than on an annual basis.

4.0. Source-Specific Requirements

4.1. Limitations and Standards

- 4.1.1. The permitted facility shall not process recycled asphaltic pavement (RAP) or tires.
- 4.1.2. The permitted facility shall not produce more than 400 tons per hour (TPH) and 400,000 tons per year (TPY) of asphalt.
- 4.1.3. No. 2 fuel oil / coal or natural gas / coal shall be burned as fuel in the Dryer (AP-1; Emission Point E-001).
- 4.1.4. The oil heater (H-1; Emission Point E-002) for the asphaltic cement tanks (LA-1, LA-2, and LA-3) and the hot mix storage silos (S-2, S-3, and S-4) shall be fueled by natural gas only.

The oil heater (H-1) shall not consume more than 6,336,000 cubic feet of natural gas in any calendar year.

- 4.1.5. The coal combustor (AP1-Burner) is limited to a maximum fuel input for any combination of fuel burned of 1.25×10^{11} BTUs in any calendar year. AP1-Burner shall operate a maximum of 1,400 hours per year.

When burning natural gas / coal, the Dryer / Burner Unit (AP1-Burner) shall not consume more than 21.3 million cubic feet of natural gas and 3,282 tons of coal per year.

When burning fuel oil / coal, the Dryer / Burner Unit (AP1-Burner) shall not consume more than 64,000 gallons per year of #2 fuel oil and 3,800 tons of coal per year.

- 4.1.6. Emissions of total (filterable + condensable) particulate matter (PM), carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and volatile organic compounds (VOC) for the Dryer (AP-1; Emission Point E-001) and the Oil Heater (Emission Point E-002), shall not exceed the following hourly and annual limitations:

Pollutant	Dryer/Burner Unit (Emission Point E-001) Maximum Permitted Emissions ⁽¹⁾			Asphaltic Cement Oil Heater (Emission Point E-002) Maximum Permitted Emissions ⁽²⁾	
	#2 Fuel Oil/Coal (lb/hr)	Natural Gas/Coal (lb/hr)	#2 Fuel Oil/Coal or Natural Gas/Coal ⁽³⁾ (ton/yr)	Natural Gas (lb/hr)	Natural Gas ⁽⁴⁾ (ton/yr)
Total PM	See 4.1.8. Below.			0.02	0.06
CO	115	107	68	0.19	0.60
NO ₂	106	93	52	0.22	0.70
SO ₂	107	92	52	0.01	0.01
VOC	16	15	9.2	0.02	0.01

- (1) Based on a maximum production rate of 400 ton/hr of asphalt at a fuel consumption rate of 60 gallons/hr of No. 2 fuel oil and 3.53 tons/hour of coal or 20,000 cubic feet of natural gas and 3.08 tons per hour of coal.
- (2) Based on a maximum design heat input to the Hot Oil Heater (H-1) of 2,200,000 Btu/hr at a fuel consumption rate of 2,200 ft³/hr of natural gas.
- (3) In computing the annual emission rate, for each pollutant, the respective values from No. 2 fuel oil/coal and natural gas/coal firing were compared and the highest hourly value was used assuming 1,000 hours per year of operation.

- (4) In computing the annual emission rate for each pollutant, 6,336 hours per year of operation was used in conjunction with current AP-42 emission factors.
- 4.1.7. Maximum sulfur content of the No. 2 fuel oil consumed as a part of these operations shall not exceed 0.50% by weight.
[45CSR§10, Table 45-10B]
- Maximum sulfur content of the coal consumed as a part of these operations shall not exceed 1.00% by weight.
[45CSR§10, Table 45-10B]
- 4.1.8. Particulate Matter (PM) emissions from the Dryer (AP1; Emission Point E-001) after the control device/baghouse (BH-1) shall not exceed 16 lb/hr and 8.0 ton/yr. This assumes a 99.9% PM removal efficiency in the baghouse.
- 4.1.9. The maximum particulate (PM) emissions from the Dryer (Emission Point 1E) shall not exceed 0.04 grains per dry standard cubic foot.
[40 CFR §60.92]
- 4.1.10. Fugitive particulate dust control system(s) shall be properly designed, installed, operated and maintained in such a manner so as to minimize the generation and atmospheric entrainment of fugitive particulate emissions. Such system(s) at a minimum shall include, but not be limited to:
- a. Fugitive Dust Control of Premises: The registrant shall adequately maintain and operate on-site: (1) a water truck, or (2) a fixed system of water sprays, or (3) a combination of a water truck and a fixed system of water sprays to minimize the emission of particulate matter generated from access roads, haulroads, open storage piles and work areas. Any fixed water spray system shall be no less effective than a water truck in minimizing fugitive particulate emissions from the area under control. The water truck and/or fixed water spray system shall be operated at all times when fugitive particulate emissions from access roads, haulroads, open storage piles and work areas are generated as a result of vehicular traffic, operational activity or wind. All water trucks and fixed water sprays shall be equipped with a pump and spraybars to apply water or a mixture of water and an environmentally acceptable dust control additive (solution) to access roads, haulroads, open storage piles and work areas where mobile equipment is used. Spraybars shall be equipped with commercially available spray nozzles of sufficient size and number so as to provide adequate coverage to the area being treated. The pump and piping system used to deliver the water or solution shall be of sufficient size and capacity to deliver an adequate quantity of water or solution to the spray nozzles at a sufficient pressure to provide an effective spray.
 - b. Haulroad Maintenance: All haulroads, access roads, open storage piles and work areas shall be kept clean and in good condition by replacing base material and/or grading as required.
 - c. Vehicular Tracking: If tracking of solids by vehicular traffic from access and/or haulroads onto any public road or highway occurs and generates or has the potential to generate fugitive particulate emissions, the registrant shall properly operate and maintain an underbody truck wash, rumble strips or employ other suitable measures to maintain effective fugitive dust control of the premises and minimize the emission of particulate matter;
 - d. All water trucks and water sprays shall employ properly designed, installed and maintained winterization systems in such a manner so that all fugitive particulate dust control systems remain functional when ambient temperatures are below 32 degrees Fahrenheit.
- 4.1.11. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning equipment which is twenty percent (20%) opacity or greater.

[45CSR§3-3.1.]

- 4.1.12. No person shall cause, suffer, allow or permit a plant to operate that is not equipped with a particulate matter capture system. This system shall be designed, operated and maintained in such a manner as to prevent the emission of particulate matter from any point other than a stack outlet.

[45CSR§3-4.5.]

- 4.1.13. **The owner or operator of the plant shall maintain control of fugitive particulate matter on the plant premises and plant owned, leased or controlled access roads by paving, chemical treatment or other suitable measures.** Good operating practices shall be observed in relation to the stockpiling, screen changing and general maintenance to prevent fugitive particulate matter generation and atmospheric entrainment. Good operating practices, including water spraying or other suitable measures, shall be employed to minimize fugitive particulate matter generation and atmospheric entrainment when hot bins are pulled.

[45CSR§3-4.6.]

- 4.1.14. **Operation and Maintenance of Air Pollution Control Equipment.** The permittee shall, to the extent practicable, install, maintain, and operate all pollution control equipment listed in Section 1.0 and associated monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions, or comply with any more stringent limits set forth in this permit or as set forth by any State rule, Federal regulation, or alternative control plan approved by the Secretary.

[45CSR§13-5.11.]

4.2. Monitoring Requirements

- 4.2.1. For the purpose of determining compliance with the opacity limits of 45CSR3 , the permittee shall conduct visible emission checks and / or opacity monitoring and recordkeeping for all emission sources subject to an opacity limit.
- a. The visible emission check shall determine the presence or absence of visible emissions. At a minimum, the observer must be trained and knowledgeable regarding the effects of background contrast, ambient lighting, observer position relative to lighting, wind, and the presence of uncombined water (condensing water vapor) on the visibility of emissions. This training may be obtained from written materials found in the References 1 and 2 from 40CFR Part 60, Appendix A, Method 22 or from the lecture portion of the 40CFR Part 60, Appendix A, Method 9 certification course.
 - b. Visible emission checks shall be conducted at least once per calendar month with a maximum of forty-five (45) days between consecutive readings. These checks shall be performed at each source (stack, transfer point, fugitive emission source, etc.) for a sufficient time interval, but no less than one (1) minute, to determine if any visible emissions are present. Visible emission checks shall be performed during periods of normal facility operation and appropriate weather conditions.
 - c. If visible emissions are present at a source(s) for three (3) consecutive monthly checks, the permittee shall conduct an opacity reading at that source(s) using the procedures and requirements of Method 9 as soon as practicable, but within seventy-two (72) hours of the final visual emission check. A Method 9 observation at a source(s) restarts the count of the number of consecutive readings with the presence of visible emissions.

4.3. Testing Requirements

- 4.3.1. At such reasonable times as the Director may designate, the owner or operator of any hot mix asphalt plant may be required to conduct or have conducted stack tests to determine the particulate matter concentration in exhaust gases. Such tests shall be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5 or other equivalent EPA approved method approved by the Director.
[45CSR§3-6.1.]
- 4.3.2. All such tests shall be conducted under such reasonable operating conditions as the Director may specify. The Director, or his duly authorized representative, may at his option witness or conduct such stack tests. Should the Director exercise his option to conduct such tests, the operator will provide all the necessary sampling connections and sampling ports to be located in such manner as the Director may require, power for test equipment and the required safety equipment such as scaffolding, railings and ladders to comply with generally accepted good safety practices.
[45CSR§3-6.1.a.]
- 4.3.3. In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b).
(b) The owner or operator shall determine compliance with the particulate matter standards in §60.92 as follows:
- (1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).
- (2) Method 9 and the procedures in §60.11 shall be used to determine opacity.
[40 CFR §60.93]

4.4. Recordkeeping Requirements

- 4.4.1. **Record of Monitoring.** The permittee shall keep records of monitoring information that include the following:
- a. The date, place as defined in this permit and time of sampling or measurements;
 - b. The date(s) analyses were performed;
 - c. The company or entity that performed the analyses;
 - d. The analytical techniques or methods used;
 - e. The results of the analyses; and
 - f. The operating conditions existing at the time of sampling or measurement.
- 4.4.2. **Record of Maintenance of Air Pollution Control Equipment.** For all pollution control equipment listed in Section 1.0, the permittee shall maintain accurate records of all required pollution control equipment inspection and/or preventative maintenance procedures.
- 4.4.3. **Record of Malfunctions of Air Pollution Control Equipment.** For all air pollution control equipment listed in Section 1.0, the permittee shall maintain records of the occurrence and duration

of any malfunction or operational shutdown of the air pollution control equipment during which excess emissions occur. For each such case, the following information shall be recorded:

- a. The equipment involved.
- b. Steps taken to minimize emissions during the event.
- c. The duration of the event.
- d. The estimated increase in emissions during the event.

For each such case associated with an equipment malfunction, the additional information shall also be recorded:

- e. The cause of the malfunction.
- f. Steps taken to correct the malfunction.
- g. Any changes or modifications to equipment or procedures that would help prevent future recurrences of the malfunction.

- 4.4.4. For the purpose of determining compliance with the maximum asphalt production limits set forth in Source-Specific Requirement 4.1.2., the facility shall maintain monthly and annual records. Example forms are supplied as Appendix A and Appendix B. All records shall be maintained for a period of five (5) years. Certified copies of these records shall be made available to the Chief or his duly authorized representative upon request.
- 4.4.5. For the purpose of determining compliance with the maximum fuel consumption limits set for in Source-Specific Requirement 4.1.4. and 4.1.5., the facility shall maintain monthly and annual records. Example forms are supplied as Appendix C and Appendix D. All records shall be maintained for a period of five (5) years. Certified copies of these records shall be made available to the Chief or his duly authorized representative upon request.
- 4.4.6. For the purpose of determining compliance with the maximum hours of operation limits set forth in Source-Specific Requirement 4.1.5., the facility shall maintain monthly and annual records. Example forms are supplied as Appendix E and Appendix F. All records shall be maintained for a period of five (5) years. Certified copies of these records shall be made available to the Chief or his duly authorized representative upon request.
- 4.4.7. For the purpose of determining compliance with the minimization of fugitive particulate dust emissions as is specified in Source-Specific Requirement 4.1.10., the facility shall maintain monthly records of water truck water usage. An example form is supplied as Appendix G. All records shall be maintained for a period of five (5) years. Certified copies of these records shall be made available to the Chief or his duly authorized representative upon request.
- 4.4.8. For the purpose of determining compliance with opacity limitations, the permittee shall maintain records of all monitoring data required by Source-Specific Requirement 4.2.1. documenting the date and time of each visible emission check, the emission point or equipment / source identification number, the name or means of identification of the observer, the results of the check(s), whether the visible emissions are normal for the process, and, if applicable, all corrective measures taken or planned. The permittee shall also record the general weather conditions (i.e. sunny, approximately 80°F, 6-10 mph NE wind) during the visual emission check(s). An example form is supplied as Appendix H. Should a visible emission observation be required to be performed per the requirements specified in Method 9, the data records of each observation shall

be maintained per the requirements of Method 9. For an emission unit out of service during the normal monthly evaluation, the record of observation may note "out of service" (O/S) or equivalent.

- 4.4.9. For the purpose of determining compliance with the maximum sulfur content limit for # 2 fuel oil and coal as is specified in Source-Specific Requirement 4.1.7., the facility shall maintain monthly records of fuel oil sulfur content provided by the material supplier. An example form is supplied as Appendix I. All records shall be maintained for a period of five (5) years. Certified copies of these records shall be made available to the Chief or his duly authorized representative upon request.

4.5. Reporting Requirements

- 4.5.1. At such time as the Director may request, the operator of the plant will submit data, including, but not limited to, on type, sizing and quantity of the aggregate used and the hours of operation.
[45CSR§3-6.2.]
- 4.5.2. Any violation(s) of the allowable visible emission requirement for any emission source discovered during observation using 40CFR Part 60, Appendix A, Method 9 must be reported in writing to the Director of the Division of Air Quality as soon as practicable, but within ten (10) calendar days, of the occurrence and shall include, at a minimum, the following information: the results of the visible determination of opacity of emissions, the cause or suspected cause of the violation(s), and any corrective measures taken or planned.

APPENDIX A

DAILY ASPHALT PRODUCTION
Greer Industries dba Clarksburg Asphalt Company
Bridgeport Facility, Plant ID No. 033-00138
Permit No. R13-2313B
Month/Year _____

DAY	ASPHALT PRODUCED (TONS)	DAY	ASPHALT PRODUCED (TONS)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16		TOTAL	

APPENDIX B

YEARLY ASPHALT PRODUCTION
Greer Industries dba Clarksburg Asphalt Company
Bridgeport Facility, Plant ID No. 033-00138
Permit No. R13-2313B
Year _____

MONTH	ASPHALT PRODUCED (TONS)	YEAR TO DATE ASPHALT PRODUCED (TONS)
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		

APPENDIX C**DAILY FUEL USAGE****Greer Industries dba Clarksburg Asphalt Company**

Bridgeport Facility, Plant ID No. 033-00138

Permit No. R13-2313B

Month/Year _____

DAY	Daily Fuel Usage			DAY	Daily Fuel Usage		
	Natural Gas (cubic feet)	# 2 Fuel Oil (gallons)	Coal (tons)		Natural Gas (cubic feet)	# 2 Fuel Oil (gallons)	Coal (tons)
1				17			
2				18			
3				19			
4				20			
5				21			
6				22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			
16				TOTAL			

APPENDIX D

YEARLY FUEL USAGE
Greer Industries dba Clarksburg Asphalt Company
Bridgeport Facility, Plant ID No. 033-00138
Permit No. R13-2313B
Year _____

MONTH	Monthly Fuel Usage			Year-to-Date Fuel Usage		
	Natural Gas (cubic feet)	# 2 Fuel Oil (gallons)	Coal (tons)	Natural Gas (cubic feet)	# 2 Fuel Oil (gallons)	Coal (tons)
JANUARY						
FEBRUARY						
MARCH						
APRIL						
MAY						
JUNE						
JULY						
AUGUST						
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						

APPENDIX E

AP1-Burner DAILY HOURS OF OPERATION

Greer Industries dba Clarksburg Asphalt Company

Bridgeport Facility, Plant ID No. 033-00138

Permit No. R13-2313B

Month/Year _____

DAY	TOTAL OPERATING HOURS	DAY	TOTAL OPERATING HOURS
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16		TOTAL	

APPENDIX F

AP1-Burner YEARLY HOURS OF OPERATION

Greer Industries dba Clarksburg Asphalt Company

Bridgeport Facility, Plant ID No. 033-00138

Permit No. R13-2313B

Year _____

MONTH	TOTAL HOURS OF OPERATION	YEAR TO DATE HOURS OF OPERATION
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		

APPENDIX G**WATER TRUCK USAGE****Greer Industries dba Clarksburg Asphalt Company**

Bridgeport Facility, Plant ID No. 033-00138

Permit No. R13-2313B

Month/Year _____

DAY	WATER USAGE (GALLONS)	DAY	WATER USAGE (GALLONS)
1		17	
2		18	
3		19	
4		20	
5		21	
6		22	
7		23	
8		24	
9		25	
10		26	
11		27	
12		28	
13		29	
14		30	
15		31	
16		TOTAL	

APPENDIX H

Weekly/Monthly/Quarterly Opacity Record
Greer Industries dba Clarksburg Asphalt Company
Bridgeport Facility, Plant ID No. 033-00138
Permit No. R13-2313B

Date of Observation: _____
Date Entered by: _____
Reviewed by: _____
Date Reviewed: _____

Describe the General Weather Conditions: _____

Stack ID / Vent ID / Emission Point ID	
Stack / Vent / Emission Point Description	
Time of Observation	
Visible Emissions? Yes / No	
Consecutive Months of Visible Emissions	
Comments	

APPENDIX I

SULFUR CONTENT OF FUEL OIL
Greer Industries dba Clarksburg Asphalt Company
Bridgeport Facility, Plant ID No. 033-00138
Permit No. R13-2313B
Month/Year _____

Day	Sulfur Content (% by weight)		Day	Sulfur Content (% by weight)	
	# 2 fuel oil	coal		# 2 fuel oil	coal
1			17		
2			18		
3			19		
4			20		
5			21		
6			22		
7			23		
8			24		
9			25		
10			26		
11			27		
12			28		
13			29		
14			30		
15			31		
16					

CERTIFICATION OF DATA ACCURACY

I, the undersigned, hereby certify that, based on information and belief formed after reasonable inquiry, all information contained in the attached

_____, representing the period beginning _____
_____ and ending _____, and any supporting documents appended hereto, is true, accurate, and complete.

Signature¹ _____
(please use blue ink) Responsible Official or Authorized Representative Date _____

Name and Title _____
(please print or type) Name Title _____

Telephone No. _____ Fax No. _____

-
- ¹ This form shall be signed by a "Responsible Official." "Responsible Official" means one of the following:
- a. For a corporation: The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either:
 - (i) the facilities employ more than 250 persons or have a gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), or
 - (ii) the delegation of authority to such representative is approved in advance by the Director;
 - b. For a partnership or sole proprietorship: a general partner or the proprietor, respectively;
 - c. For a municipality, State, Federal, or other public entity: either a principal executive officer or ranking elected official. For the purposes of this part, a principal executive officer of a Federal agency includes the chief executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., a Regional Administrator of USEPA); or
 - d. The designated representative delegated with such authority and approved in advance by the Director.